Advantage Line
Product overview

BOSCH
Invented for life

Advantage Line

Megapixel IP Cameras

		5 Megapixel	1080p		
		Outdoor		Vehicle Mount	Indoor
		NDC-284-PT	NDC-274-PT	NDC-274-PM	NDC-274-P
	Camera Type	Vandal-Resistant Microdome	Vandal-Resistant Microdome	Vandal-Resistant IVM Microdome	Indoor Microdome
Imaging	Maximum Resolution	2592 x 1944	2592 x 1944	2592 x 1944	2592 x 1944
	Image Sensor Type	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
	Day/Night	■ [Electronic]	■ [Electronic]	■ [Electronic]	■ [Electronic]
	IR Sensitive	–	–	–	–
	Wide Dynamic Range [WDR]	–	■	■	–
	Intelligent Dynamic Noise Reduction [iDNR]	–	–	–	–
	Intelligent Auto Exposure [iAE]	–	–	–	–
Sensitivity	Minimum Illumination [day mode]	0.3 lux	0.3 lux	0.3 lux	0.3 lux
	Minimum Illumination [night mode]	–	–	–	–
Intelligence	Video Motion Detection	■	■	■	■
	Intelligent Video Analysis [IVA]	–	–	–	■
	Privacy Masking	–	–	–	–
	Region Of Interest and Electronic PTZ	■	■	■	■
	Audio Detection	–	–	–	–
Storage	SD Card Type / Max. Capacity	microSDXC / 2TB	microSDXC / 2TB	microSDXC / 2TB	microSDXC / 2TB
Optics	Lens	3.74 mm	3.74 mm	3.74 mm	4.37 mm
Compression	Multistreaming *	H.264 Tri-streaming	H.264 Tri-streaming	H.264 Tri-streaming	H.264 Tri-streaming
	Max. Images per Second [IPS]	30 ips @ 1080p	12 ips @ 5MP	12 ips @ 5MP	30 ips @ 1080p
Audio	Built in Microphone / Loudspeaker	– / –	– / –	– / –	■ / –
	Audio Line In / Out	– / –	– / –	– / –	– / –
Alarm	Alarm Input / Output	– / –	– / –	– / –	– / –
	Hybrid Capability [on service mode]	■	■	■	■
Power	Power Over Ethernet [PoE]	■	■	■	■
	Max. Power Consumption	3.84W	3.84W	3.84W	3.84W
	Power Supply	Included	Included	Included	Included
Environ.	Operating Temperature	-20° to 50° C (-4° to 122° F)	-30° to 50° C (-22° to 122° F)	-30° to 50° C (-22° to 122° F)	-20° to 50° C (-4° to 122° F)
	Vandal Resistant	IK 8	IK 8	IK 8	–
	All-weather Rating	IP66	IP66	IP66	–
Infrared	Integrated Infrared	–	–	–	–
	Night Vision Maximum Range	–	–	–	–
	Output Connection	Ethernet, RJ45	Ethernet, RJ45	Ethernet M12 D-coded female	Ethernet, RJ45
	ONVIF conformant	■	■	■	■

* Tri-streaming: two [2] H.264 streams with one [1] M-JPEG stream. Quad-streaming: three [3] H.264 streams (720p HD, downscaled resolution, and HD I-frame only) with one [1] M-JPEG stream.

Advantage Line

Megapixel IP Cameras

		720p				Outdoor Infrared	
		NBC-265-P / NBC-265-W	NPC-20012-F2 NPC-20012-F2W	NUC-20012-F2	NDC-265-P	NTC-265-PI	NDN-265-PIO
	Camera Type	IP 200 Series 720p	IP micro 2000 HD	FLEXIDOME micro 2000 HD	IP 200 Series 720p Dome	IP 200 Series 720p IR Bullet	IP 200 Series 720p IR Dome
Imaging	Maximum Resolution	1280 x 720	1280 x 720	1280 x 720	1280 x 720	1280 x 720	1280 x 720
	Image Sensor Type	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS
	Day/Night	■ [Electronic]	■ [Electronic]	■ [Electronic]	■ [Electronic]	■	■
	IR Sensitive	–	–	–	–	■	■
	Wide Dynamic Range [WDR]	–	–	■	–	–	–
	Intelligent Dynamic Noise Reduction [iDNR]	–	■	■	–	–	–
	Intelligent Auto Exposure [iAE]	–	–	–	–	–	–
Sensitivity	Minimum Illumination [day mode]	1.0 lux	0.1 lux	0.1 lux	1 lux	0.3 lux	0.3 lux
	Minimum Illumination [night mode]	–	–	–	–	0 lux	0 lux
Intelligence	Video Motion Detection	■	■	■	■	■	■
	Intelligent Video Analysis [IVA]	–	–	■	■	–	■
	Privacy Masking	–	■	–	–	–	–
	Region Of Interest and Electronic PTZ	–	–	■	–	–	–
	Audio Detection	■	■	–	–	■	–
Storage	SD Card Type / Max. Capacity	SD / 32GB	microSDXC / 2TB	microSDXC / 2TB	microSDHC / 32GB	–	microSDHC / 32GB
Optics	Lens	2.8 – 12 mm	2.5 mm	2.5 mm	2.8 – 12 mm	2.7 – 9 mm	2.7 – 9 mm
Compression	Multistreaming *	H.264 Tri-streaming	H.264 Quad Streaming	H.264 Quad Streaming	H.264 Tri-streaming	H.264 Tri-streaming	H.264 Tri-streaming
	Max. Images per Second [IPS]	30 ips @ 720p	30 ips @ 720p	30 ips @ 720p	30 ips @ 720p	30 ips @ 720p	30 ips @ 720p
Audio	Built in Microphone / Loudspeaker	■ / –	■ / ■	■ / –	■ / –	– / –	– / –
	Audio Line In / Out	■ / ■	– / –	– / –	■ / ■	■ / ■	■ / ■
Alarm	Alarm Input / Output	1 / 1	– / –	– / –	1 / 1	1 / 1	1 / 1
	Hybrid Capability [on service mode]	–	–	■	■	■	■
Power	Power Over Ethernet [PoE]	■	■	■	■	■	■
	Max. Power Consumption	3.6W	3.7W	3.84W	4.2W	6.72W	6.72W
	Power Supply	Included	Included	Included	Included	Not included	Included
Environ.	Operating Temperature	0° to 50° C (32°F to 122° F)	-10° to 50° C (14° to 122° F)	-20° to 50° C (-4° to 122° F)	-10° to 50° C (14° to 122° F)	-20° to 50° C (-4° to 122° F)	-20° to 50° C (-4° to 122° F)
	Vandal Resistant	–	–	–	–	■	IK 10
	All-weather Rating	–	–	–	–	IP66	IP66
Infrared	Integrated Infrared	–	–	–	–	■	■
	Night Vision Maximum Range	–	–	–	–	25 m (82 ft)	15 m (50 ft)
	Output Connection	Ethernet, RJ45 IEEE 802.11b/g	Ethernet, RJ45 IEEE 802.11b/g	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45
	ONVIF conformant	■	■	■	■	■	■

Advantage Line

IP Cameras

		480p				
		Indoor				
		NBC-255-P	NBC-255-W	NBC-225-P	NPC-20002-F2	NUC-20002-F2
	Camera Type	IP 200 Series	IP 200 Series	IP 200 Series	IP micro 2000	FLEXIDOME micro 2000 IP
Imaging	Maximum Resolution	640 x 480	640 x 480	640 x 480	640 x 480	640 x 480
	Image Sensor Type	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS
	Day/Night	■ [Electronic]	■ [Electronic]	■ [Electronic]	■ [Electronic]	■ [Electronic]
	IR Sensitive	–	–	–	–	–
	Wide Dynamic Range [WDR]	–	–	–	–	■
	Intelligent Dynamic Noise Reduction [iDNR]	–	–	–	■	■
	intelligent Auto Exposure [iAE]	–	–	–	–	–
Sensitivity	Minimum Illumination [day mode]	1.0 lux	1.0 lux	1.0 lux	0.1 lux	0.1 lux
	Minimum Illumination [night mode]	–	–	–	–	–
Intelligence	Video Motion Detection	■	■	■	■	■
	Intelligent Video Analysis [IVA]	–	–	–	–	■
	Privacy Masking	–	–	–	■	–
	Region Of Interest and Electronic PTZ	–	–	–	–	■
	Audio Detection	■	■	■	–	–
Storage	SD Card Type / Max. Capacity	SD / 32GB	SD / 32GB	SD / 32GB	microSDXC / 2TB	microSDXC / 2TB
Optics	Lens	2.8 – 10 mm	2.8 – 10 mm	2.8 – 12 mm	2.5 mm	2.8 – 12 mm
Compression	Multistreaming *	H.264 Tri-streaming *	H.264 Tri-streaming *	H.264 Tri-streaming *	H.264 Quad Streaming**	H.264 Quad Streaming**
	Max. Images per Second [IPS]	30 ips @ 480p	30 ips @ 480p	30 ips @ 480p	30 ips @ 480p	30 ips @ 480p
Audio	Built in Microphone / Loudspeaker	■ / –	■ / –	■ / –	– / –	■ / –
	Audio Line In / Out	■ / ■	■ / ■	■ / ■	– / –	– / –
Alarm	Alarm Input / Output	1 / 1	1 / 1	1 / 1	– / –	– / –
	Hybrid Capability [on service mode]	–	–	–	–	■
Power	Power Over Ethernet [PoE]	■	■	■	–	■
	Max. Power Consumption	3.36W	3.36W	3.36W	2.8W	2.80W
	Power Supply	Included	Included	Included	Included	Included
Environ.	Operating Temperature	0° to 50° C (32°F to 122° F)	0° to 50° C (32°F to 122° F)	0° to 50° C (32°F to 122° F)	-10° to 45° C (14° to 113° F)	-20° to 50° C (-4° to 122° F)
	Vandal Resistant	–	–	–	–	–
	All-weather Rating	–	–	–	–	–
Infrared	Integrated Infrared	–	–	–	–	–
	Night Vision Maximum Range	–	–	–	–	–
	Output Connection	Ethernet, RJ45	Ethernet, RJ45 IEEE 802.11b/g	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45
	ONVIF conformant	■	■	■	■	■

Advantage Line

IP Cameras

		480p			
		Indoor		Outdoor Infrared	
		NDC-255-P	NDC-225-P	NTC-255-PI	NDC-225-PI
	Camera Type	IP 200 Series Dome	IP 200 Series Dome	IP 200 Series D/N Infrared Bullet	IP 200 Series D/N Infrared Dome
Imaging	Maximum Resolution	640 x 480	640 x 480	640 x 480	640 x 480
	Image Sensor Type	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS
	Day/Night	■ [Electronic]	■ [Electronic]	■	■ [Electronic]
	IR Sensitive	–	–	■	■
	Wide Dynamic Range [WDR]	–	–	–	–
	Intelligent Dynamic Noise Reduction [iDNR]	–	–	–	–
	intelligent Auto Exposure [iAE]	–	–	–	–
Sensitivity	Minimum Illumination [day mode]	1.0 lux	1.0 lux	1 lux	1.0 lux
	Minimum Illumination [night mode]	–	–	0 lux	0 lux
Intelligence	Video Motion Detection	■	■	■	■
	Intelligent Video Analysis [IVA]	■	■	–	■
	Privacy Masking	–	–	–	–
	Region Of Interest and Electronic PTZ	–	–	–	–
	Audio Detection	–	–	■	–
Storage	SD Card Type / Max. Capacity	microSDHC / 32GB	microSDHC / 32GB	–	microSDHC / 32GB
Optics	Lens	2.8 – 10 mm	4 mm	3.7 – 10 mm	4 mm
Compression	Multistreaming *	H.264 Tri-streaming *	H.264 Tri-streaming *	H.264 Tri-streaming *	H.264 Tri-streaming *
	Max. Images per Second [IPS]	30 ips @ 480p	30 ips @ 480p	30 ips @ 480p	30 ips @ 480p
Audio	Built in Microphone / Loudspeaker	■ / –	■ / –	– / –	■ / –
	Audio Line In / Out	■ / ■	■ / ■	■ / ■	■ / ■
Alarm	Alarm Input / Output	1 / 1	1 / 1	1 / 1	1 / 1
	Hybrid Capability [on service mode]	■	■	■	■
Power	Power Over Ethernet [PoE]	■	■	■	■
	Max. Power Consumption	4.1W	4.1W	6W	6.6W
	Power Supply	Included	Included	Not included	Included
Environ.	Operating Temperature	-10° to 50° C (14° to 122° F)	-10° to 50° C (14° to 122° F)	-20° to 55° C (-4° to 131° F)	-10° to 45° C (14° to 113° F)
	Vandal Resistant	–	–	■	–
	All-weather Rating	–	–	IP66	–
Infrared	Integrated Infrared	–	–	■	–
	Night Vision Maximum Range	–	–	25 m (82 ft)	–
	Output Connection	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45
	ONVIF conformant	■	■	■	■

Advantage Line

960H Analog Cameras

		PTZ		Indoor			
		VEZ-5000	**VEZ-400**	**VTC-206F03-4**	**VUC-1055-F221**	**VDN-276-20**	**VDN-295-20**
	Camera Type	AUTODOME 5000 36x PTZ Dome	26x Mini PTZ Dome	Color Mini Bullet	D/N Microdome	True D/N Dome	True D/N WDR Dome
Imaging	Max. Sensor Resolution	720 TVL	720 TVL	720TVL	720TVL	720TVL	720TVL
	Image Sensor Type	960H, 1/4" CCD	960H, 1/4" CCD	960H, 1/3" CCD	960H, 1/4" CCD	960H, 1/3" CCD	960H, 1/3" CCD
	Day/Night	■	■	–	■ [Electronic]	■	■
	Wide Dynamic Range [WDR]	■	■	–	■ [Electronic]	■ [Electronic]	■
	IR Sensitive	■	■	–	–	■	■
	Video Motion Detection	■	■	–	■ [4 zones]	■ [4 zones]	■ [4 zones]
	Privacy Masking	■ [20 Zones]	■ [15 Zones]	–	■ [8 zones]	■ [4 zones]	15 Zones
	Digital Noise Reduction	■	–	–	–	–	–
Optics	Lens	3.43 - 120 mm	3.5 - 104 mm	3.6 mm	2.5 mm	2.8 – 10.5 mm	2.8 – 10.5 mm
	Zoom	36x optical, 12x digital	26x optical, 10x digital	–	–	–	–
Sensitivity	Min. Illumination [day mode]	0.1 lux	0.1 lux	0.1 lux	0.43 lux	0.12 lux	0.15 lux
	Min. Illumination [night mode]	0.01 lux	0.01 lux	–	–	0.07 lux	0.05 lux
Infrared	LED's	–	–	–	–	–	–
	Night Vision Max. Range	–	–	–	–	–	–
Environ.	Operating Temp.	–40° to 122° F (–40° to 50° C)	–40° to 122° F (–40° to 50° C)	14° to 122° F (–10° to 50° C)	–4° to 113° F (–20° to 45° C)	14° to 122° F (–10° to 50° C)	14° to 122° F (–10° to 50° C)
	All-weather Rating	IP66	IP66	IP67	–	–	–
	Vandal Resistant	IK10	IK10	–	–	–	–
Alarm	Alarm Input / Output	■	–	–	–	–	–
Audio	Audio / Audio Alarm	–	–	–	–	–	–
Power	Max. Power Consumption	20W, 50W **	20W, 45W **	3.6W	1.2W	3.6W	4.8W
	Voltage	24 VAC	24 VAC	12 VDC	12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC
	Power Supply	Not included	Not included	Not included	Not included	Not included	Not included
	Output Connection	BNC Connector	BNC Connector	BNC Connection	BNC Connection	BNC Connection	BNC Connection

** With heater

Advantage Line

960H Analog Cameras

		Outdoor		Outdoor Infrared	
		VDC-242V03-2	**VDN-244V03-2H**	**VTI-2075-F321**	**VDI-244V03-2H**
	Camera Type	D/N Dome	True D/N Dome	True D/N IR Bullet	True D/N IR WDR Dome
Imaging	Max. Sensor Resolution	720TVL	720TVL	720TVL	720TVL
	Image Sensor Type	960H, 1/3" CCD	960H, 1/3" CCD	960H, 1/3"	960H, 1/3" CCD
	Day/Night	■ [Electronic]	■	■	■
	Wide Dynamic Range [WDR]	■ [Electronic]	■ [Electronic]	–	■
	IR Sensitive	■ [IR Corrected]	■ [IR Corrected]	■	■ [IR Corrected]
	Video Motion Detection	■ [4 zones]	■ [4 zones]	■ [4 zones]	■ [4 zones]
	Privacy Masking	■ [4 zones]	■ [4 zones]	■ [4 zones]	■ [15 Zones]
	Digital Noise Reduction	–	–	■	–
Optics	Lens	2.8 – 10.5 mm	2.8 – 10.5 mm	3.6 mm	2.8 – 10 mm
	Zoom	–	–	–	–
Sensitivity	Min. Illumination [day mode]	0.12 lux	0.12 lux	0.5 lux	0.15 lux
	Min. Illumination [night mode]	–	0.07 lux	0 lux	0 lux [IR on]
Infrared	LED's	–	–	20 @ 850 nm	18 @ 850 nm
	Night Vision Max. Range	–	–	50 ft (15 m)	65 ft (20 m)
Environ.	Operating Temp.	14° to 122° F (–10° to 50° C)	–22° to 122° F *** (–30° to 50° C)	–22° to 122° F (–30° to 50° C)	–22° to 122° F *** (–30° to 50° C)
	All-weather Rating	IP66	IP66	IP66	IP66
	Vandal Resistant	IK08	IK08	IK08	IK08
Alarm	Alarm Input / Output	–	–	–	–
Audio	Audio / Audio Alarm	–	–	–	–
Power	Max. Power Consumption	3.6W	6W / 15.6W**	5.7W	6W / 15.6W**
	Voltage	24 VAC, 12 VDC	24 VAC, 12 VDC	12 VDC	24 VAC, 12 VDC
	Power Supply	Not included	Not included	Not included	Not included
	Output Connection	BNC Connection	BNC Connection	BNC Connection	BNC Connection

** With heater

Advantage Line

Analog Cameras

		Indoor			Outdoor	
		VTC-204F03-4	**VDC-250F04-20**	**VDC-260V04-20**	**VDC-240V03-2**	**VDN-240V03-2**
	Camera Type	Color Mini Bullet	Indoor Dome	Indoor Dome	Outdoor Color Dome	Outdoor D/N Dome
Imaging	Max. Sensor Resolution	380 TVL	540 TVL	540 TVL	570 TVL	570 TVL
	Image Sensor Type	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
	Day/Night	–	True D/N	True D/N	Electronic D/N	True D/N
	Wide Dynamic Range [WDR]	–	–	–	–	–
	IR Sensitive	–	■	■	–	■
	Video Motion Detection	–	■ [4 zones]	■ [4 zones]	■ [4 zones]	■ [4 zones]
	Privacy Masking	–	■ [4 zones]	■ [4 zones]	■ [4 zones]	■ [4 zones]
	Digital Noise Reduction	–	–	–	–	–
Optics Sensitivity	Lens	3.6 mm Fixed	3.8 mm Fixed	3.8 – 9.5 mm DC	2.8 – 10.5 mm DC	2.8 – 10.5 mm DC
	Min. Illumination [day mode]	0.5 lux	0.15 lux	0.15 lux	0.05 lux	0.05 lux
	Min. Illumination [night mode]	–	0.05 lux	0.05 lux	–	0.005 lux
Infrared	LED's	–	–	–	–	–
	Night Vision Max. Range	–	–	–	–	–
Environ.	Operating Temp.	14° to 122° F (–10° to 50° C)	14° to 122° F (–10° to 50° C)	14° to 122° F (–10° to 50° C)	14° to 122° F (–10° to 50° C)	14° to 122° F (–10° to 50° C)
	All-weather Rating	IP67	–	–	IP66	IP66
	Vandal Resistant	–	–	–	■	■
Alarm	Alarm Input / Output	–	–	–	–	–
Audio	Audio / Audio Alarm	–	–	–	–	–
Power	Max. Power Consumption	3.6W	3.6W	3.6W	3.6W	3.6W
	Voltage	12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC
	Power Supply	Not included	Not included	Not included	Not included	Not included
	Output Connection	BNC Connection	BNC Connection	BNC Connection	BNC Connection	BNC Connection

Advantage Line

Analog Cameras

Outdoor Infrared

		VTI-214F04-4	VTI-216V04-2	VTI-218V03-2	VTI-220V05-2	VDI-240V03-2	VDI-240V03-2H
	Camera Type	WZ14 Integrated IR Bullet	WZ16 Integrated IR Bullet	WZ18 Integrated IR Bullet	WZ20 Integrated IR Bullet	Outdoor IR D/N Dome	Outdoor IR D/N Dome with heater
Imaging	Max. Sensor Resolution	380 TVL	520 TVL	540 TVL	540 TVL	570 TVL	570 TVL
	Image Sensor Type	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
	Day/Night	Electronic D/N	True D/N	True D/N	True D/N	True D/N	True D/N
	Wide Dynamic Range [WDR]	–	–	–	–	–	–
	IR Sensitive	■	■	■	■ [IR corrected]	■	■
	Video Motion Detection	–	–	■ [64 zones]	■ [64 zones]	■ [4 zones]	■ [4 zones]
	Privacy Masking	–	–	■ [4 zones]	■ [4 zones]	■ [4 zones]	■ [4 zones]
	Digital Noise Reduction	–	–	–	–	–	–
Optics Sensitivity	Lens	4 mm Fixed	3.8 – 9.5 mm DC	3.8 – 9.5 mm DC	2.8 – 12 mm DC	3.8 – 9.5 mm DC	3.8 – 9.5 mm DC
	Min. Illumination [day mode]	–	–	–	–	0.05 lux	0.05 lux
	Min. Illumination [night mode]	0 lux (IR on)	0 lux (IR on)	0 lux (IR on)	0 lux (IR on)	0 lux (IR on)	0 lux (IR on)
Infrared	LED's	30 @ 850 nm	18 @ 850 nm	18 @ 850 nm	30 @ 850 nm	20 @ 850 nm	20 @ 850 nm
	Night Vision Max. Range	50 ft (15 m)	66 ft (20 m)	66 ft (20 m)	150 ft (45 m)	65 ft (20 m)	65 ft (20 m)
Environ.	Operating Temp.	–22° to 122° F (–30° to 50° C)	–22° to 131° F (–30° to 55° C)	–22° to 122° F (–30° to 50° C)	–22° to 131° F (–30° to 55° C)	14° to 122° F (–10° to 50° C)	–22° to 122° F (–30° to 50° C)
	All-weather Rating	IP67	IP67	IP66	IP66	IP66	IP66
	Vandal Resistant	–	–	–	–	■	■
Alarm	Alarm Input / Output	–	–	–	–	–	–
Audio	Audio / Audio Alarm	–	–	–	–	–	–
Power	Max. Power Consumption	4.2W	4.2W	6.7W	8W	6W	17.5W
	Voltage	12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC
	Power Supply	Not included	Not included	Not included	Not included	Not included	Not included
	Output Connection	BNC Connection	BNC Connection	BNC Connection	BNC Connection	BNC Connection	BNC Connection

Advantage Line

Recording and Storage

Digital Video Recorders

NEW!

NEW!

		DVR 440 / 480	DVR 630 / 650	DVR 670 Series	DIVAR 3000	DIVAR 5000
System	Target System Size	1 – 8 cameras	16 – 64 cameras	16 – 64 cameras	up to 64 cameras	up to 64 cameras
	Operating System	Embedded	Embedded	Embedded	Embedded LINUX	Embedded LINUX
	Rack Mountable	■	■	■	–	■
	SDK Available	■	■	■	■ (VSDK v5.x)	■ (VSDK v5.x)
Video	Channels	4, 8	8, 16	8, 16	4, 8 or 16	4, 8 or 16
	Looping Video	No	■	■	–	■
	Connectors	Composite [1] VGA [1]	VGA [2]	VGA [2]	Composite [2] VGA [1] HDMI [1]	Composite [2] VGA [1] HDMI [1]
	Spot Monitor	1	1	1	1	1
Audio	Input Channels	1	4	4	4 [+1 MIC input]	4 [+1 MIC input]
	Output Channels	1	2	2	1	1
	Synchronous Audio	■	■	■	■	■
	B-directional Audio	–	–	–	■ [via web client]	■ [via web client]
	Associate Multiple Cameras to 1 Audio	■	■	■	–	–
Alarms	Inputs	4, 8	8, 16	8, 16	16	16
	Relay Outputs	1	4	4	3	5
	Call up Pre-position on Dome Cameras	■	■	■	■	■
	Increase Frame Rate on Alarm	■	■	■	■	■
	Simultaneous Normal & Event Recording	■	■	■	–	–
	Multiple Camera Linking on Alarm Event	■	■	■	■	■
	Notification via Email	■	■	■	■	■
	Pre-alarm	■	■	■	■ [up to 30 Seconds]	■ [up to 30 Seconds]
	Motion Detection	■	■	■	■	■
Recording	Video Compression	H.264	H.264	H.264	H.264	H.264
	Frame Rate (IPS)	120 or 240 IPS @ CIF	240 or 480 IPS @ CIF	240 or 480 IPS @ CIF	120, 240 or 480 @ 960H	120, 240 or 480 @ 960H
	IPS per Camera	25/30 IPS @ CIF	25/30 IPS @ CIF	25/30 IPS @ CIF	30 IPS @ 960H	30 IPS @ 960H
	Recording Resolution	352x240 / 704x240 / 704x480	352x240 / 704x240 / 704x480	352x240 / 704x240 / 704x480	QCIF / CIF / 2CIF / 4CIF / 960H	QCIF / CIF / 2CIF / 4CIF / 960H
	Individual Camera Adjustment	■ [IPS & Quality]	■ [IPS & Quality]	■ [IPS & Quality]	■ [IPS & Quality]	■
	Schedule Recording Modes	Day / Week / Specific Day / 32 Exception Days	Day / Week / Specific Day / 32 Exception Days	Day / Week / Specific Day / 32 Exception Days	Day / Week / >32 Exception days	Day / Week / >32 Exception days

Advantage Line

Recording and Storage

		Digital Video Recorders				
		DVR 440 / 480	DVR 630 / 650	DVR 670 Series	DIVAR 3000	DIVAR 5000
Storage	HDD	500, 1000 GB	500, 1000, 2000 GB	500, 1000, 2000 GB	2 [1 with DVD writer]	4 [2 with DVD writer]
	Expandable	–	■	■	500, 1000, 2000, 3000 GB	500, 1000, 2000, 3000 GB
	On-board RAID	–	–	–	No	–
	External Storage	–	–	■ [eSATA]	No	■ [eSATA]
Export	Supported Devices	USB 1.1 and USB 2.0	Internal CD/DVD Writer, USB 2.0	Internal CD/DVD Writer, USB 2.0	Internal DVD writer, USB, BVC, Web Client	Internal DVD writer, USB, BVC, Web Client
	Data Format	Native	Native	Native	Native, AVI	Native, AVI
	Back-up Mode	–	–	–	Manual	Manual
Search	Timeline Search Bar (Color-coded)	■	■	■	■	■
	Search Mode	Date/time, Events, Motion	Date/time, Events, Motion	Date/time, Events, Motion	Date/Time, Channel, Event Type, Motion	Date/Time, Channel, Event Type, Motion
	Smart Motion Search	■	■	■	■	■
Display	Live Resolution	720x484	720x484	720x484	960x480 [960H], 704x480 [720H]	960H Camera: 960x480 [using HDMI monitor] 720H Camera: 704x480
	Screen Division [Multiscreen]	Full, 2x2, Sequence	Full, Sequence, 2x2, 3x2, 3x3, 4x4, 5+1, 7+1, 12+1	Full, Sequence, 2x2, 3x2, 3x3, 4x4, 5+1, 7+1, 12+1	4 Ch.: 1/4; 8 Ch. 1/4/8/9; 16 Ch. 1/4/8/9/16	4 Ch.: 1/4; 8 Ch. 1/4/8/9; 16 Ch. 1/4/8/9/16
Security / User Control	User Levels	3	3	3	3	3
	Camera Lockouts by User	■	■	■	■	■
	Set Viewing Permissions	■	■	■	■	■
	Data Integrity Check (e.g. Watermarking)	■	■	■	■ [in archive player]	■ [in archive player]
Remote Access	Network	10 / 100 Ethernet	10 / 100 Ethernet	10 / 100 Ethernet	10 / 100 / 1000 Ethernet	10 / 100 / 1000 Ethernet
	Web Browser Access	■	■	■	■	■
	Simultaneous Accessible Users	4	4	4	4	4
	Mobile Client Access	■	■	■	■ [iOS, Android]	■ [iOS, Android]
	Admin control	■	■	■	■	■
	PTZ Control	■	■	■	■	■
	Export Options	Native, AVI	Native, AVI	Native, AVI	Native, AVI	Native, AVI
Other	Instant Playback	■	■	■	■	■
	Digital Zoom (Live / Playback)	■ / ■	■ / –	■ / –	■ / –	■ / ■
	PTZ Joystick Control	–	■	■	–	■
	ATM/POS Interface	–	–	–	–	–

Advantage Line

Network Recording and Storage

All-in-one VMS Solution

NEW!

NEW!

		DIVAR IP 3000	DIVAR IP 7000
Target System Size		32+ Cameras	64+ Cameras
System	Operating System	Microsoft Storage Server 2008 R2	Microsoft Server 2008 R2
	Rack Mountable	–	■
	SDK Available	■ [VSDK v5.x]	■ Yes [VSDK v5.x]
Video	Channels	Up to 32 per appliance	Up to 64 appliance
	Looping Video	–	–
	Composite Outs	0	0
	VGA	1 DVI	1 DVI, 1 DP
	Spot Monitor	1 per IP decoder	1 per IP decoder
Audio	Input / Output Channels	Up to 32 [playback via remote station only]	Up to 64 [playback via remote station only]
	Compression Type	G.726	G.726
	Synchronous Audio	■	■
	Associate Multiple Cameras to One Audio	■	■
Alarms	Inputs	Up to 144 via ADAM I/O modules [+1 per IP camera]	Up to 144 via ADAM I/O modules [+1 per IP camera]
	Call up Pre-Position on Dome Cameras	■	■
	Increase Frame Rate on Alarm	■	■
	Simultaneous Normal & Event Recording	■	■
	Multiple Camera Linking on Event	■	■
	Email Notification	■	■
	Pre-Alarm	■	■
	Motion Detection	■	■
Display	Live Resolution [PAL/NTSC]	CIF / 2CIF / 4CIF / 720p / 1080p / 5MP	CIF / 2CIF / 4CIF / 720p / 1080p / 5MP
	Screen Division [Multiscreen]	Full, 3x3, 4x4, 4x5, 5+6	Full, 3x3, 4x4, 4x5, 5+6

All-in-one Recording Solution

NEW!

NEW!

		DIVAR IP 2000	DIVAR IP 6000
Target System Size		1 to 16 Cameras	32 to 128 Cameras
Mechanical	Form Factor	Mini-Tower	19-inch Rack Mount
	System Weight	6.75 kg (14.88 lbs)	16.3 kg (36 lbs) [4-bay] 23.6 kg (52 lbs) [8-bay]
	Operating Temperature	10° to 35° C (50° to 95° F)	10° to 35° C (50° to 95° F)
	Product Safety	CE, UL, EN, IEC	CE, UL, EN, IEC
	Warranty	3 Years [all components]	3 Years [all components]
Power	Number	1	2
	Redundant	–	■
	Hot Swappable	–	■
	Power Consumption	200W	230W [4-bay] 291W [8-bay]
Fans	Number	1	3
	Hot Swappable	–	–
Processor	Type	Intel® Atom D525	Intel® Pentium G6950 Dual Core
	Speed Cache	1.80 GHz, 1333 MHz FSB 1MB L2 Cache	2.8 GHz, 1333 MHz FSB 3MB L2 Cache
	Memory	1GB, DDR3-1333 SO-DIMM	4GB, DDR2-800 ECC RAM
Host Interface	Type	Gigabit Ethernet	Gigabit Ethernet
	Number	1	2
	RAID Levels	JBOD	RAID-5
Disk Drives	Type	SATA-II	SATA-II
	Max. Drives	4	4
	Hot Swappable	–	■
	Available Capacities	2 TB	1 TB [4-bay] 2 TB [8-bay]
Capacity	Base System [RAID Config.]	[JBOD]	2.7 TB [4-bay] 12.93 TB [8-bay]

Advantage Line

Network Recording and Storage

		All-in-one VMS Solution	
		DIVAR IP 3000	**DIVAR IP 7000**
Recording	Video Compression	H.264, MPEG-4, ONVIF, RTSP, JPEG	H.264, MPEG-4, ONVIF, RTSP, JPEG
	Throughput	150 Mbps	200 Mbps
	IPS Per Camera	25 / 30 IPS	25 / 30 IPS
	Supported Resolutions	CIF / 2CIF / 4CIF / 720p / 1080p / 5MP	CIF / 2CIF / 4CIF / 720p / 1080p / 5MP
	Individual Camera Adjustment	■ [IPS & Quality]	■ [IPS & Quality]
	Schedule Recording Modes	Day / Night / Weekend / Holiday / Specific Day	Day / Night / Weekend / Holiday / Specific Day
Storage	Internal HDD	4000 - 8000 GB	4000 - 8000 - 16000 GB
	On-board RAID	–	■
	External Storage	■ [iSCSI]	■ [iSCSI]
Export	Supported Devices	External CD/DVD Writer, USB 2.0, iSCSI	Internal CD/DVD Writer, USB 2.0, iSCSI
	Data Format	Native, ASF	Native, ASF
	Back-up Mode	Manual or Automatic	Manual or Automatic
Search	Timeline Search Bar	■ [color coded]	■
	Search Mode	Date/time, Device, Event, Alarm State/Priority, Smart Motion, IVA	Date/time, Device, Event, Alarm State/Priority, Smart Motion, IVA
Display	Live Resolution [PAL/NTSC]	CIF / 2CIF / 4CIF / 720p / 1080p / 5MP	CIF / 2CIF / 4CIF / 720p / 1080p / 5MP
	Screen Division [Multiscreen]	Full, 3x3, 4x4, 4x5, 5+6	Full, 3x3, 4x4, 4x5, 5+6
Security / User Control	User Levels	Unlimited	Unlimited
	Camera Lockouts by User	■	■
	Set Viewing Permissions	■	■
	Data Integrity Check [e.g. Watermarking]	■	■
Remote Access	Network	10/100/1000 Ethernet	10 / 100 / 1000 Ethernet
	Web Browser	–	■
	Mobile Client	■	■
PC Client	Admin Control	■	■
	PTZ Control	■	■
	Export Options	Native, ASF	Native, ASF
Other	Instant Playback	■	■
	Digital Zoom	■	■ / ■
	PTZ Joystick Control	■	■
	ATM/POS Interface	■	■

		All-in-one Recording Solution	
		DIVAR IP 2000	**DIVAR IP 6000**
Performance	Array Throughput / Bandwidth	100 Mbps	200 Mbps
	Drive Throughput	3.0 Gbps	3.0 Gbps
	Max. iSCSI Camera Connections	16	64
Remote Mgmt.	Remote Desktop	■	■
	Web Client	–	■
Monitoring	SNMP	■	■
	Alerts	■	e-Mail, LAN broadcast
Hardware support	Recorders	–	Divar 700 Series
	Direct-to-iSCSI	Any Bosch IP device running FW v4.x or greater	Any Bosch IP device running FW v4.x or greater
Software Support	BVC	■	■
	VIDOS	–	■ [v4.02 or newer]
	BVMS	■ [v4.50 or newer]	■ [v2.20 or newer]
	VRM	■ [v3.00 Embedded]	■ [v2.11 Embedded]

Advantage Line

IP Video Management

		Bosch Video Client (BVC)	Bosch Video Management System (BVMS)
Overview		Advance viewing client simultaneously displays up to 20 HD or SD cameras. Packaged free of charge with all Bosch IP cameras, and can be downloaded from the web. Licensing is free for up to 16 cameras. Expansion license bundles of 1 to 112 cameras are available for purchase.	Unique enterprise IP video security solution that provides seamless management of digital video, audio, and data across any IP network. Comes pre-installed on the DIVAR IP 3000 / 7000 appliances.
System	Architecture Support	Standalone	Standalone to Client Server
	Multi-site Support	–	■
	Mobile Clients	–	■ MVS License required; max 20 connection per site
	Workstations/Clients	1 standalone at a time [separate config needed]	2 clients for 32; 4 clients for 64
	LDAP	–	■
COTS [Commercial off the Shelf]		■ [for Server/Workstation]	■ [for Server/Workstation]
Decoder Support		■ [SD and HD]	■ [SD and HD]
Encoding		H.264, MPEG-4	H.264, MPEG-4
Display	Resolution	SD and HD	SD and HD
	Multi-monitor Support	■ [2]	■ [4]
	Workstation OS Support	XP, Vista, Win7,SP1	XP, Win7,SP1
	16:9 Monitor Support	■	■
	Mapping	–	■
	Dynamic Cameo Scaling	■	–
	Monitor Wall Client Support	■	■
Alarm Management	User Management	–	■
	Alarm Types	Audio, Digital I/O, System Event, Motion, IVA	Audio, Digital I/O, System Event, Motion, IVA
	IVA Forensics	■	■
Control	Intelligent Tracking	■	–
	PTZ	■	■
	IntuiKey	■ [limited functionality]	■
	Virtual Matrix	–	■
Storage	@Edge Camera Support	■	■
	iSCSI	■	■
	NVR Support	–	■ [BRS, VIDOS]
	VRM	■ [via DLA]	■ [via DLA]
	IVA Metadata	■	■
	DLA Support [VRM Mode]	■ [1]	■ [5]
Integration	DxR 400/600/700	■	■
	ATM/POS	–	■
	ONVIF Conformant	■ [with VRM2.30/VSG1]	■
	3rd Party Camera Support	ONVIF 1.02/Profile-S with DLA	ONVIF 1.02/Profile-S
Networking	LAN / WAN	■ / –	■ / ■
	Remote/Decoupled Client	–	■
	Web Client / Mobile App	– / –	■ / ■

Advantage Line
Accessories

			Mount Compatibility					
			IP Cameras					
			NDC-255	NDC-265	NDC-274	NDC-284	NDN-265	NUC-200xx
Wall	NDA-WMT-DOME		■	■	■	■	■	■
	NDA-WMT-MICDOME				■	■		■
	VDA-WMT-AIDOME *		■†	■†	■§	■§		■§
	VDA-WMT-AODOME *				■§	■§	■	■§
	VEZ-A2-WW / WC *		■†	■†				
Pipe	NDA-PMT-MICDOME				■	■		■
	VDA-PMT-AIDOME		■†	■†	■§	■§		■§
	VDA-PMT-AODOME				■§	■§	■	■§
	VEZ-A2-PW / WC		■†	■†				
Flush	NDA-FMT200-DOME						■	
	VDA-FMTIP200-DOME		■	■				
	VDA-PLEN-DOME						■	
Adaptor	NDA-ADT4S-MINDOME						■	
	NDA-ADTI-DOME			■	■	■		■
	NDA-ADTM-DOME		■	■				
	NDA-MBR-DOME				■	■		■
	NDA-MBRO-DOME						■	
	NDA-WMT4S-MICDOME		■	■	■	■		■

* Can be adapted for pole mount using the LTC 9213/01. TC9311PM3T installation banding tool recommended for use with pole mount adapter.

† Requires NDA-ADTI-DOME

§ Requires NDA-ADTM-DOME

Advantage Line
Accessories

			Mount Compatibility										
			Analog Cameras										
			VDx-240	VDC-242	VDx-244	VDC-250	VDC-260	VDN-276	VDN-295	VEZ-400	VEZ-500	VTI-220	VUC-1055
Wall	NDA-WMT-DOME												■
	NDA-WMT-MICDOME												■
	VDA-WMT-AIDOME *		■	■	■	■	■	■	■				
	VDA-WMT-AODOME *		■	■	■								
	VEZ-A4-WW / WC *									■†			
	VEZ-A5-WL										■		
Pipe	NDA-PMT-MICDOME												■
	VDA-PMT-AIDOME		■	■	■	■	■	■	■				
	VDA-PMT-AODOME		■	■	■								
	VEZ-A4-PW / PC									■†			
	VEZ-A5-PP										■		
Flush	VEZ-A4-IC									■			
	VEZ-A5-IC										■		
Adaptor	NDA-ADT4S-MINDOME									■			■
	NDA-ADTM-DOME									■			
	NDA-WMT4S-MICDOME												■
	WZMB.001											■	

* Can be adapted for pole mount using the LTC 9213/01. TC9311PM3T installation banding tool recommended for use with LTC 9213/01 pole mount adapter.

† Requires NDA-ADTI-DOME

Advantage Line

Accessories

Power Supplies

	UPA-1220-60	UPA-2430-60	UPA-2450-60	VG4-A-PSU1
Input	100-240 VAC, 50/60 Hz	120 VAC, 60 Hz	120 VAC, 60 Hz	120 VAC. 50/60 Hz
Output	12 VDC, 1.0 A	24 VAC, 1.25 A, 30 VA	24 VAC, 50 VA	24 VAC, 96 VA

Other Hardware

	MIC-BP3	LTC 8786/60
Description	Bi-Phase to RS-485 converter device for VEZ-400	RS-232 to Biphase converter with 16 Biphase outputs

High-performance Monitors

	UML-193-90	UML-223-90	UML-273-90	UML-323-90	UML-423-90	UML-463-90	UML-553-90
Type	19" LED	22" LED	27" LED	32" LED	42" LED	46" LED	55" LED
Resolution	1366 x 768	1920 x 1080	1920 x 1080 / 650TVL	1920 x 1080 / 650TVL	1920 x 1080 / 650TVL	1920 x 1080 / 650TVL	1920 x 1080 / 650TVL
Luminance (cd/m2)	250	250	300	350	500	450	450
Contrast Ratio	1000:1	1000:1	3000:1	3000:1	4000:1	3500:1	4000:1
Viewing Angle (H x V)	170° x 160°	170° x 160°	178° x 178°	178° x 178°	178° x 178°	178° x 178°	178° x 178°
PC Compatible	■	■	■	■	■	■	■
Connectors	VGA, DVI-D, HDMI	VGA, DVI-D, HDMI	BNC, VGA, DVI-D, HDMI	BNC, VGA, DVI-D, HDMI	BNC, VGA, DVI-D, HDMI	BNC, VGA, DVI-D, HDMI	BNC, VGA, DVI-D, HDMI
Speaker	■	■	■	■	■	■	■
Power Consumption	42W	42W	75W	75W	150W	149W	170W
Picture-in-picture	–	–	■	■	■	■	■
Front Panel Lockout	■	■	■	■	■	■	■
IR Remote	–	–	■	■	■	■	■
VESA Compliant	■	■	■	■	■	■	■

Advantage Line

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Advantage Line

Notes

A Tradition of Quality and Innovation

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Bosch Security Systems proudly offers a wide range of security, safety, communications and sound solutions that are relied upon every day in applications around the world, from government facilities and public venues to businesses, schools and homes.

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